

A SUMMARY ON POLARISATION IN RUN-12 FOR 255 GEV

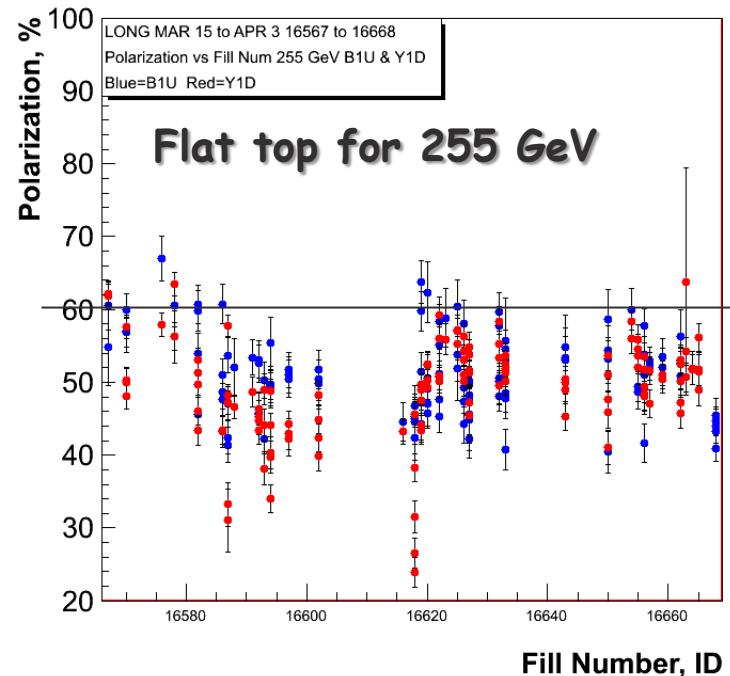
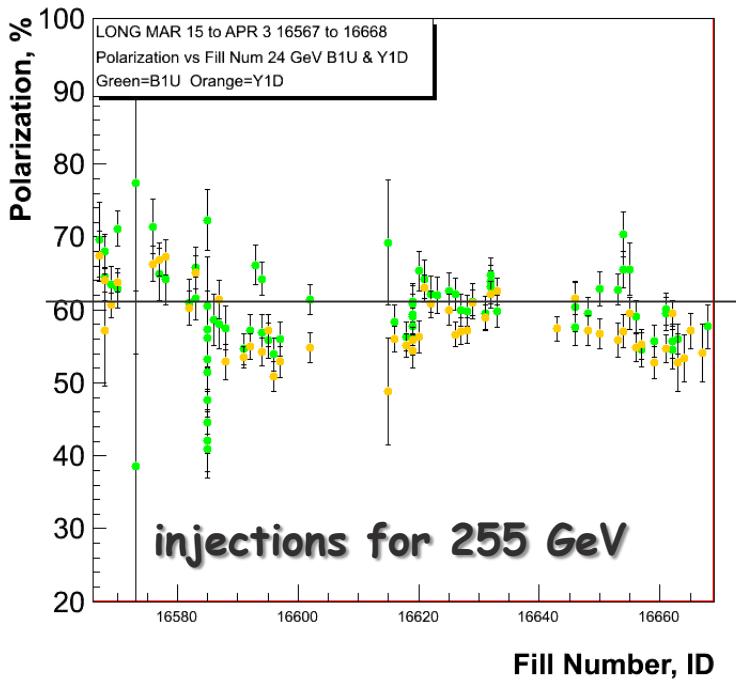
*E.C. ASCHENAUER
PRESENTING THE WORK DONE BY ALAN,
ANDERS, BILL AND DIMA*



a passion for discovery



Office of
Science

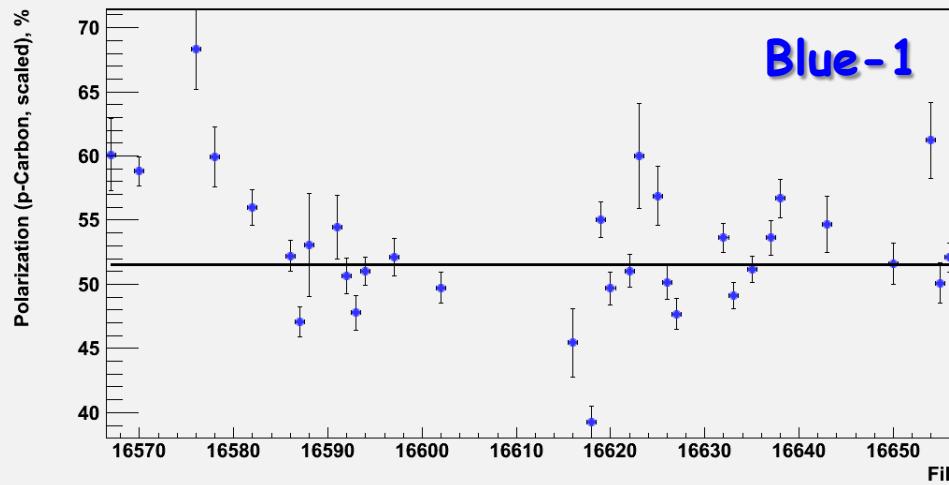


polarisation at injection
Blue and Yellow

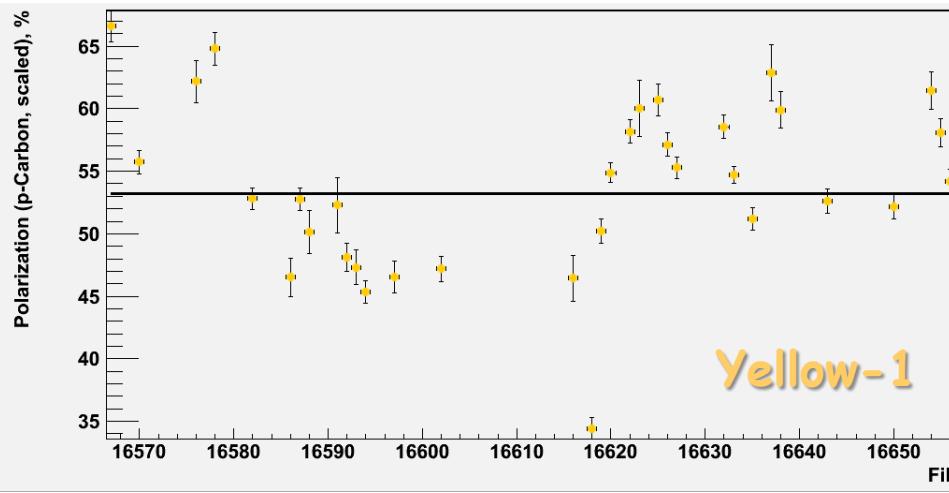
Caveat:

Online pC numbers not normalized
to jet

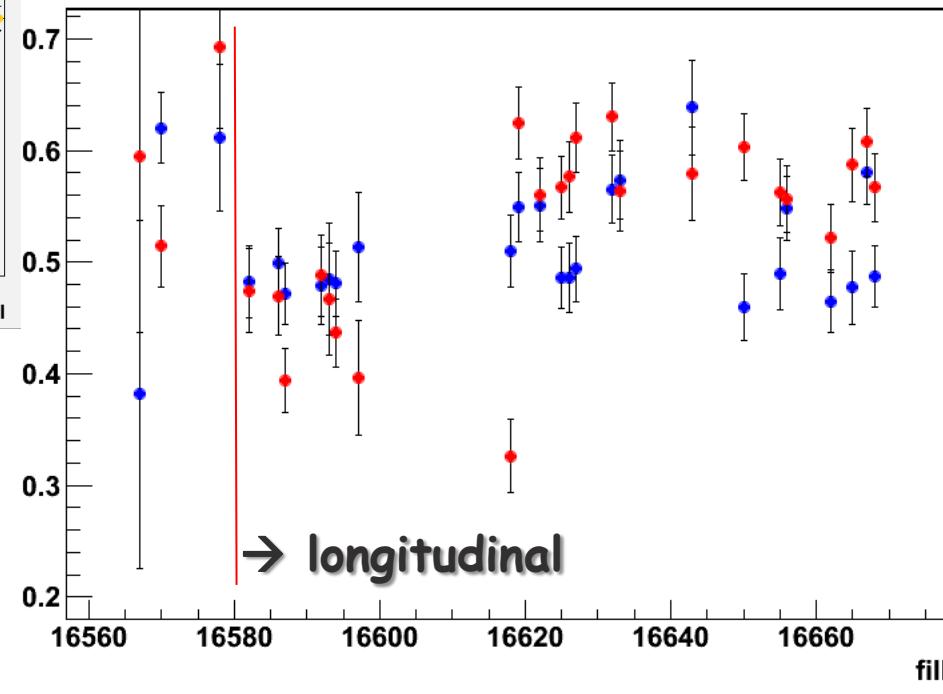
255 GEV RESULTS



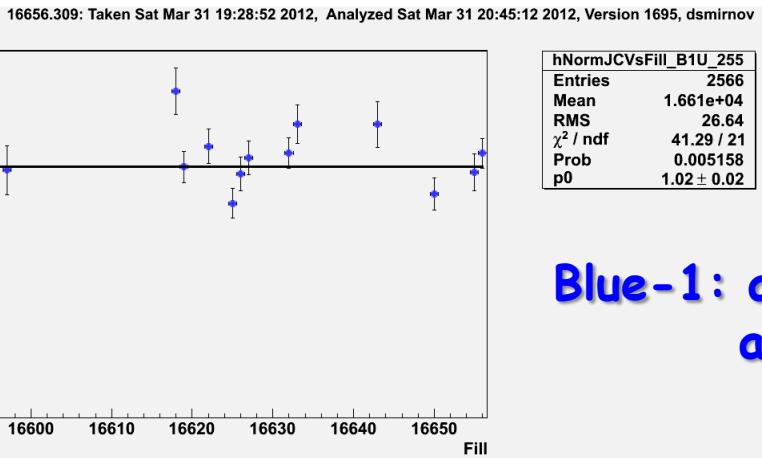
polarisation at flat top
Blue and Yellow



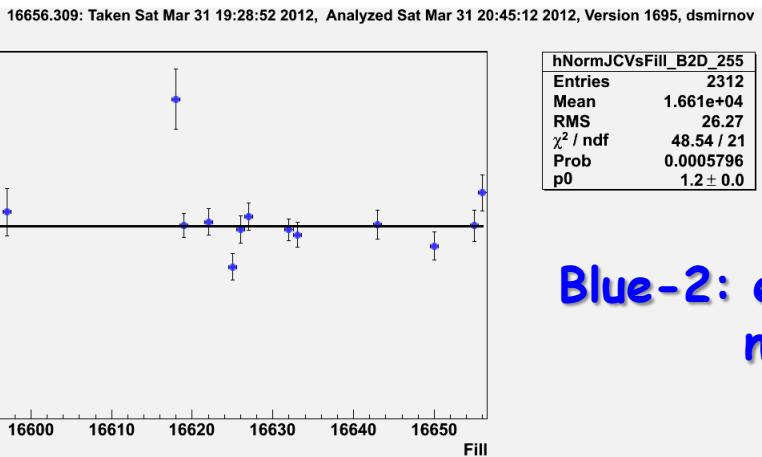
H-Jet



NORMALIZATION TO H-JET

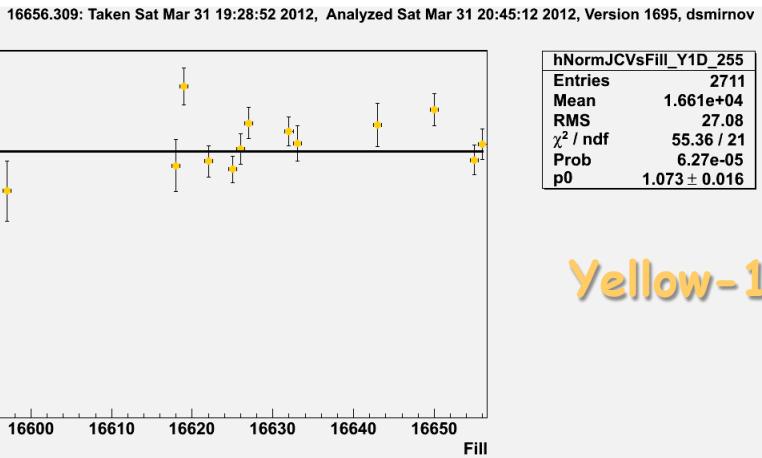


Blue-1: already in good
agreement with jet

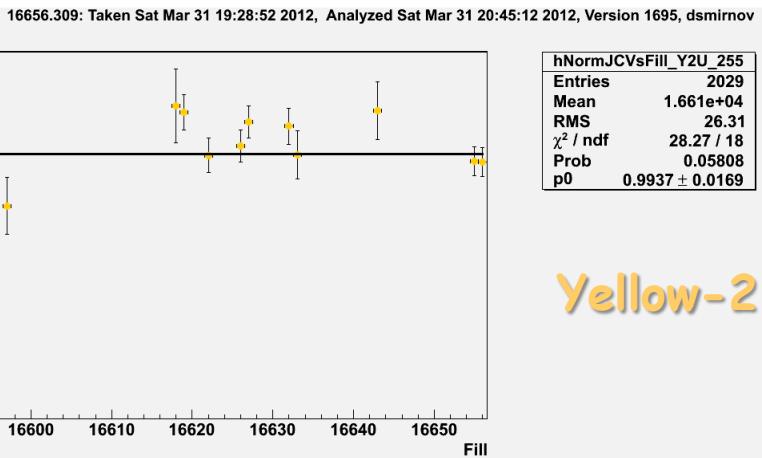


Blue-2: experimental polarimeter
need a to normalize by 1.2

NORMALIZATION TO H-JET

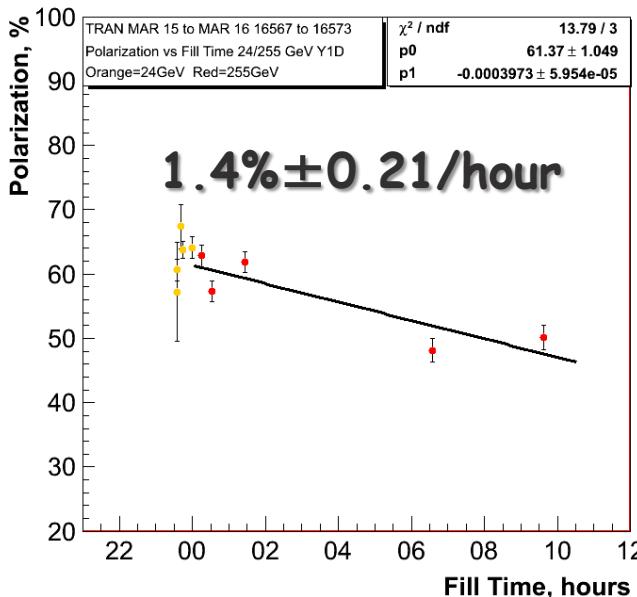
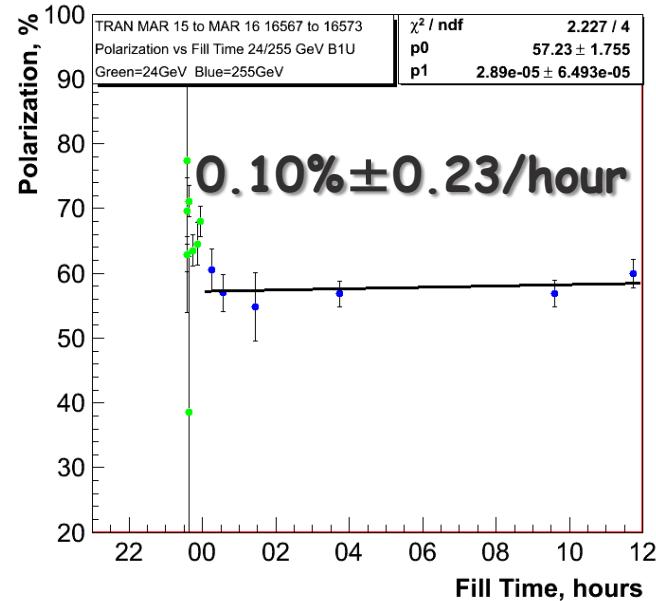


Yellow-1: need a to normalize by 1.07

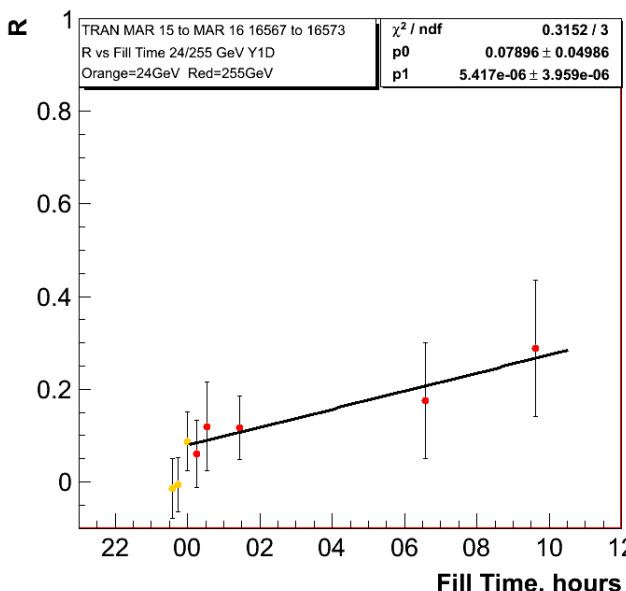
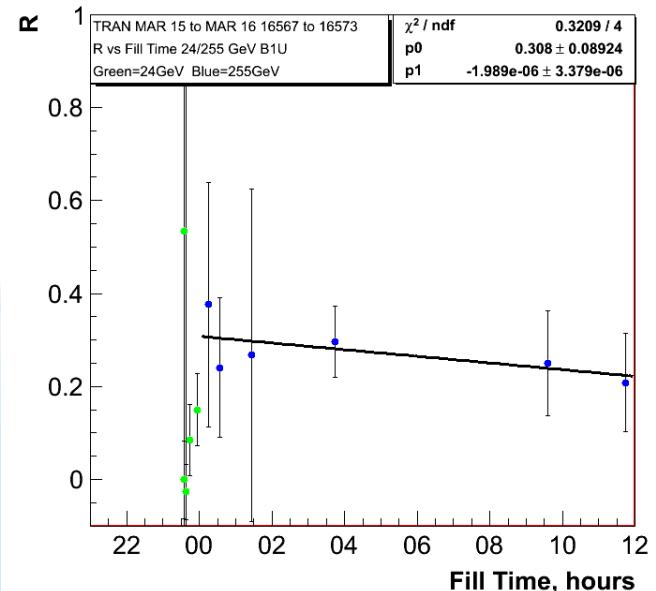


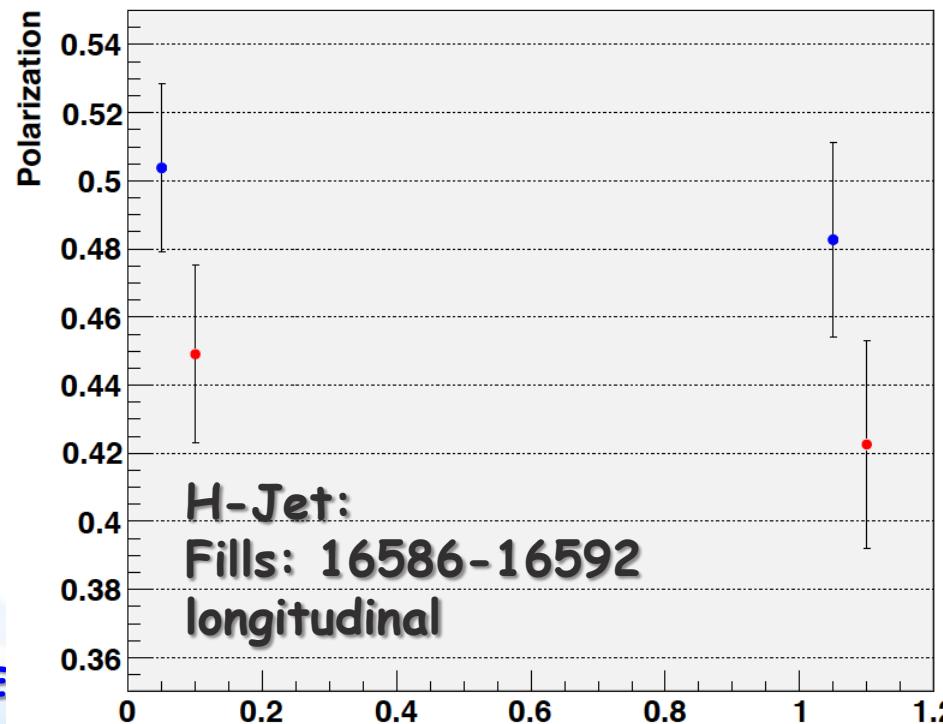
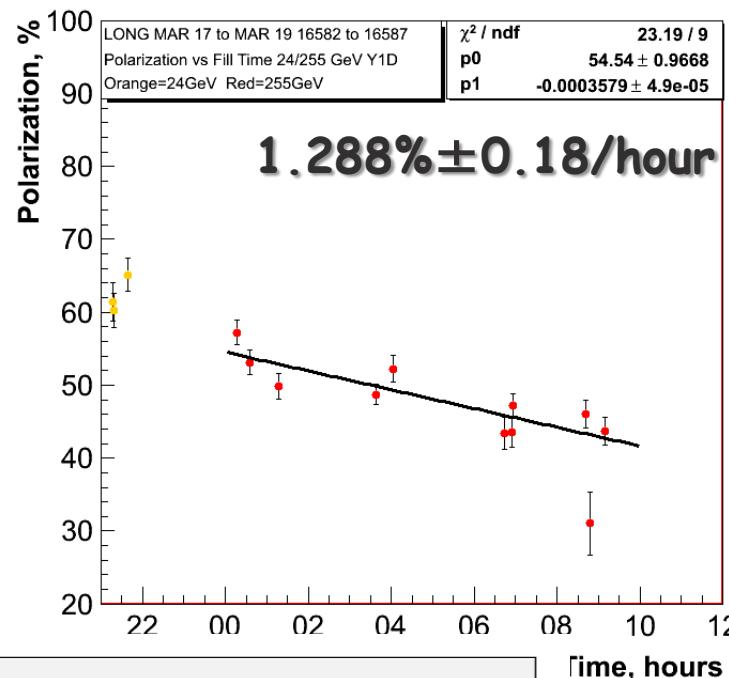
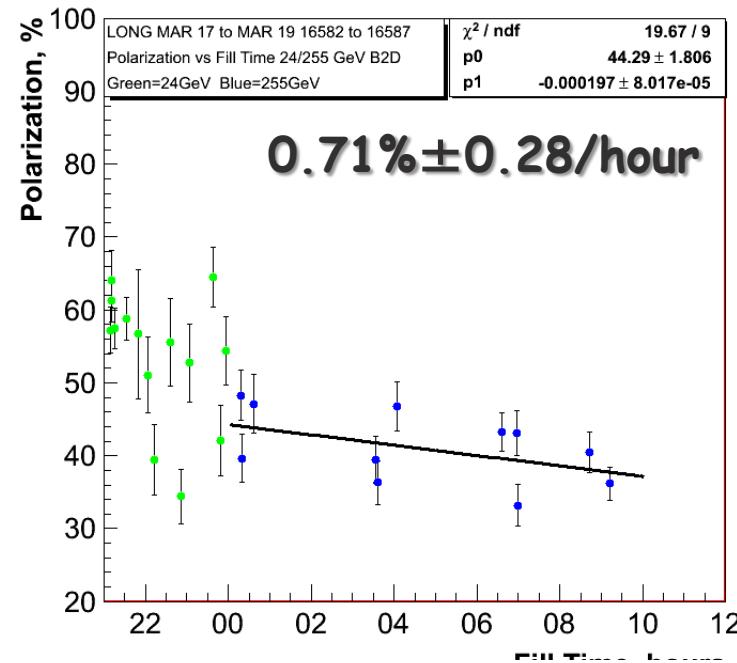
Yellow-2: already in good
agreement with jet

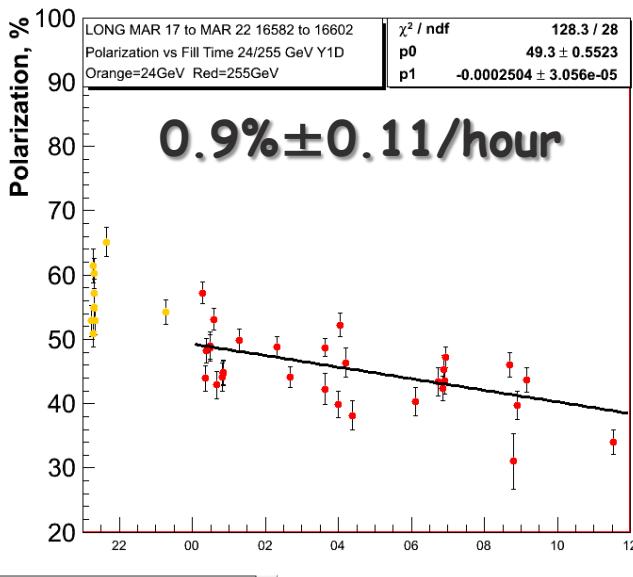
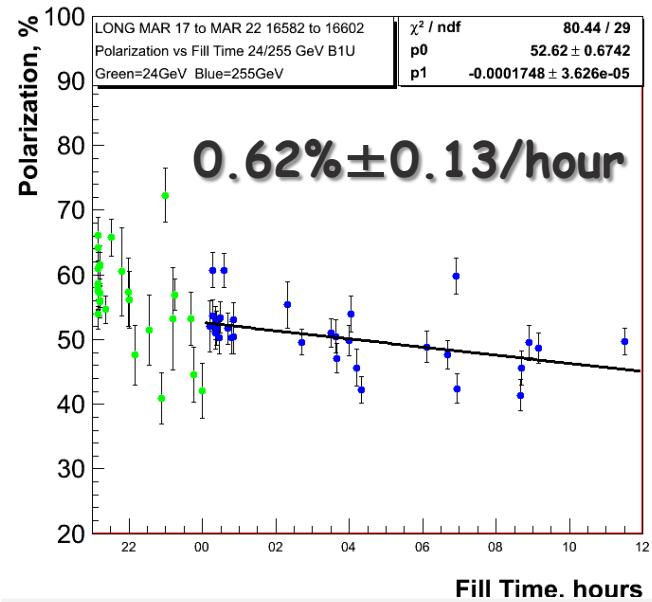
255 GEV RESULTS TRANSVERSE FILLS



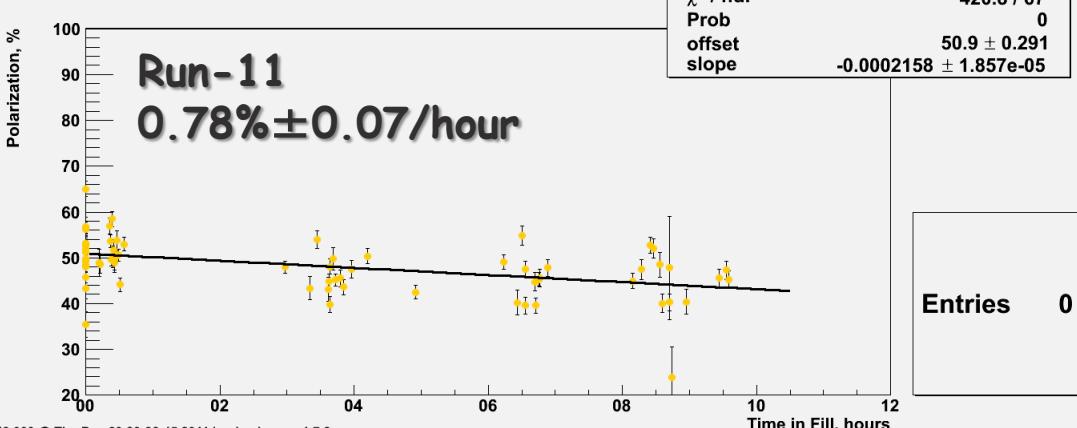
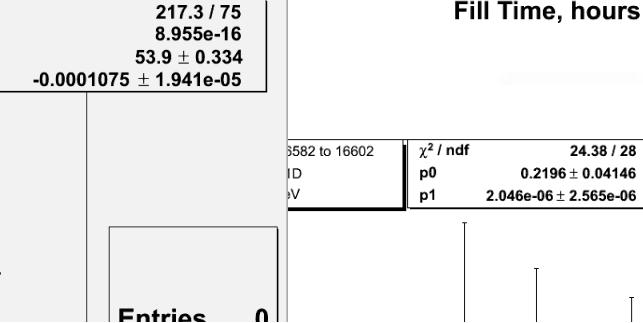
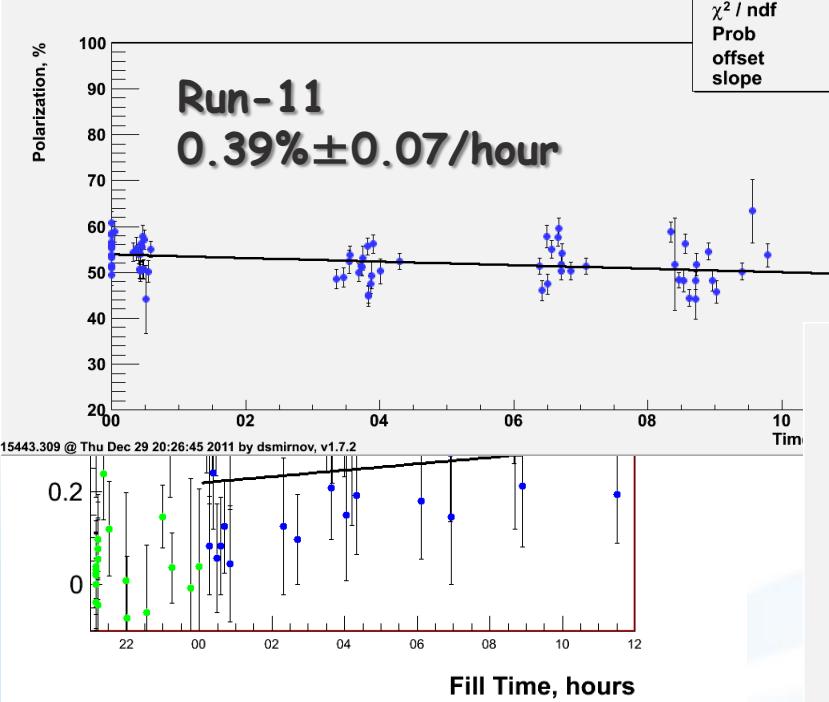
Polarisation lifetime in yellow very similar to longitudinal 255 GeV fills

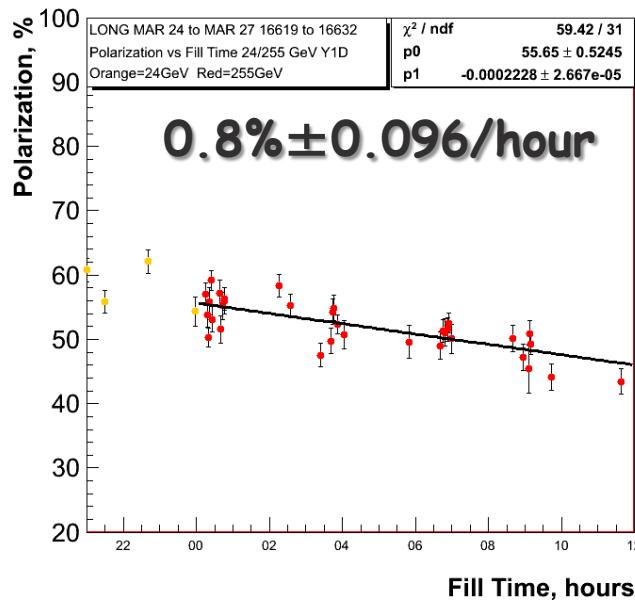
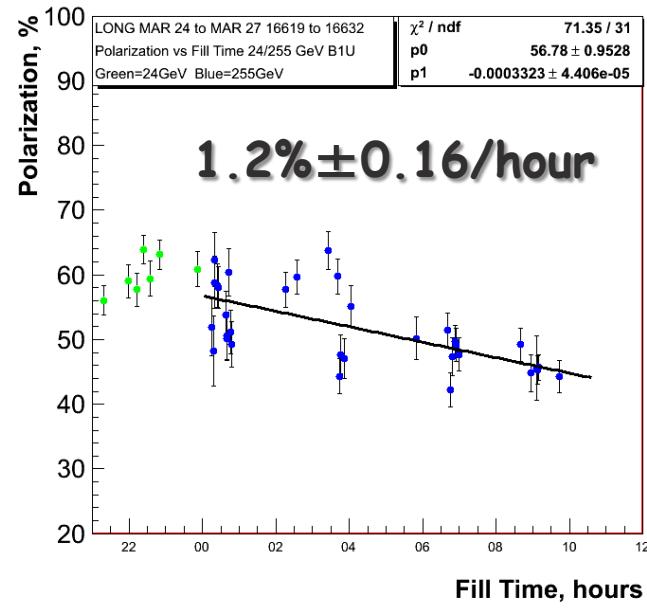




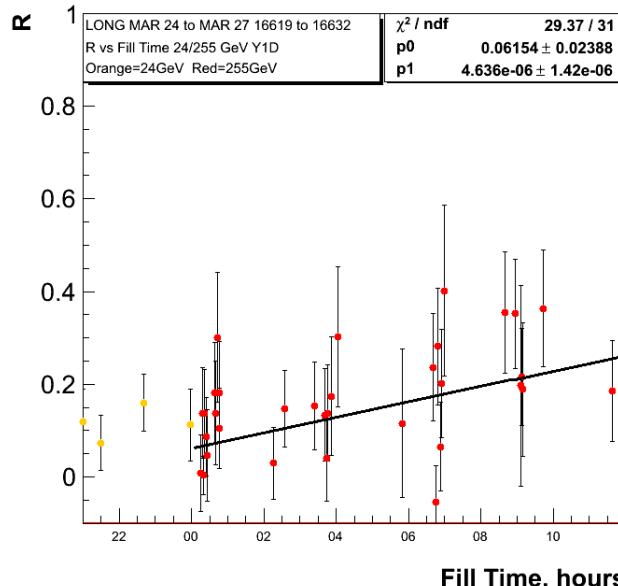
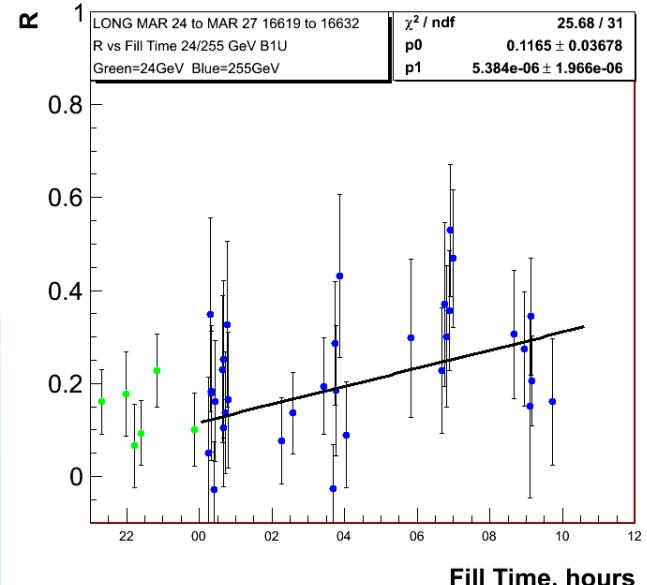


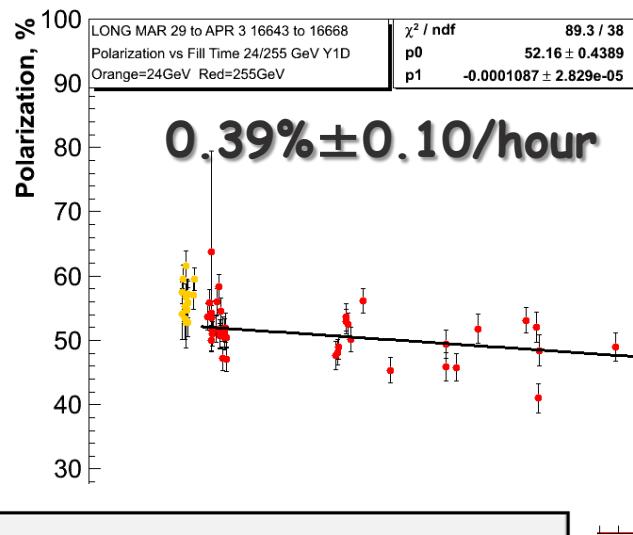
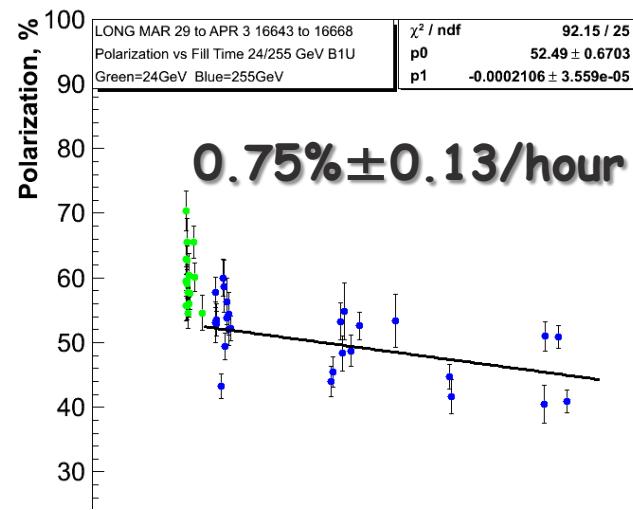
Polarisation lifetime very similar run-11 and run-12 so 255 GeV did not do the trick



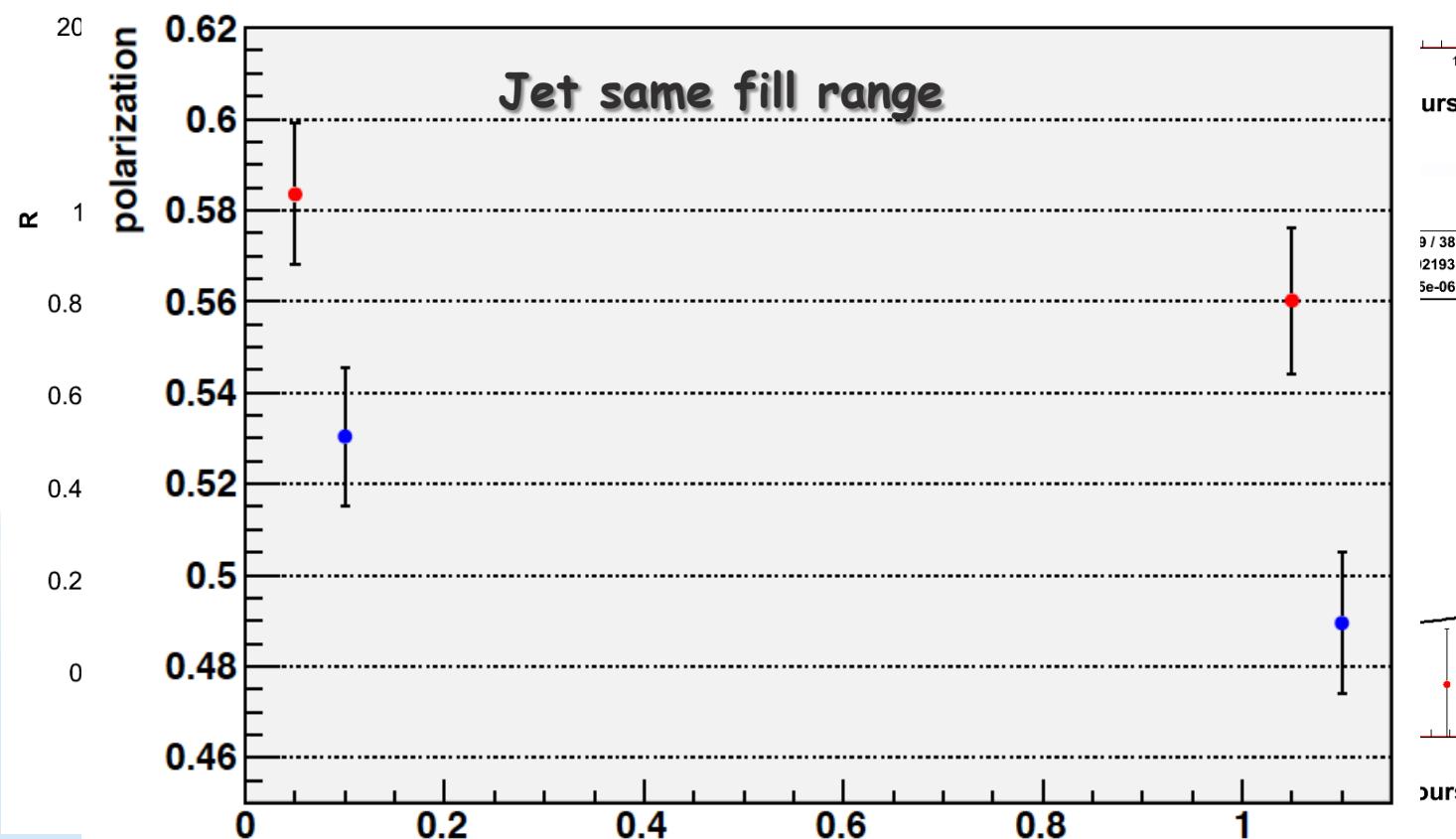


**Polarisation
Lifetime for low
Emittance fills**

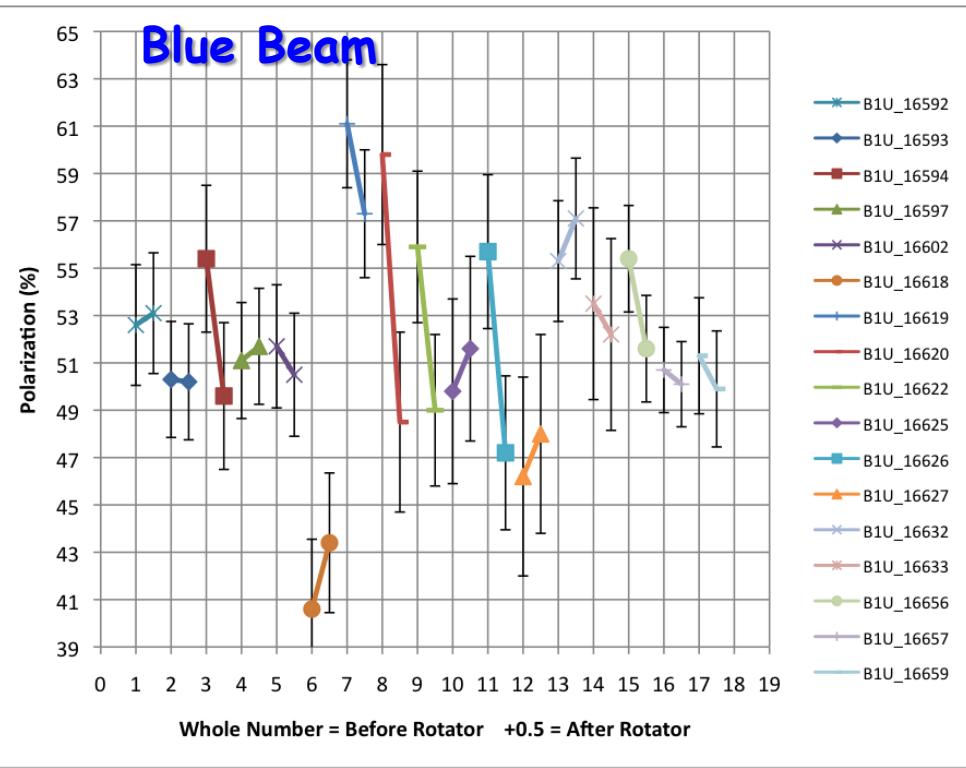




Polarisation
Lifetime since
last week

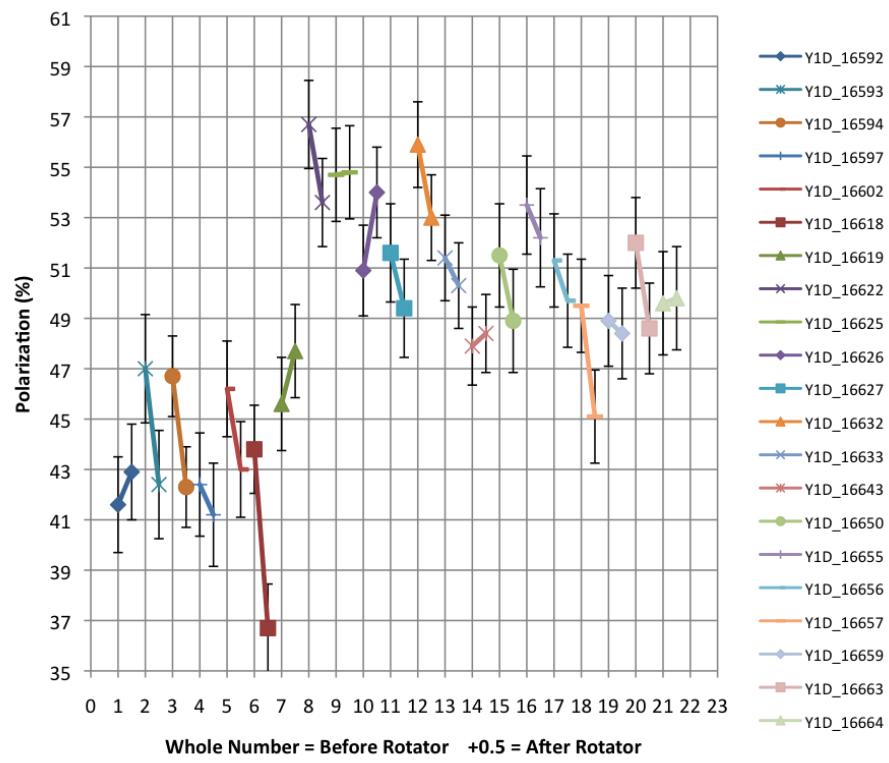


POLARISATION LOSS THROUGH ROTATOR RAMP



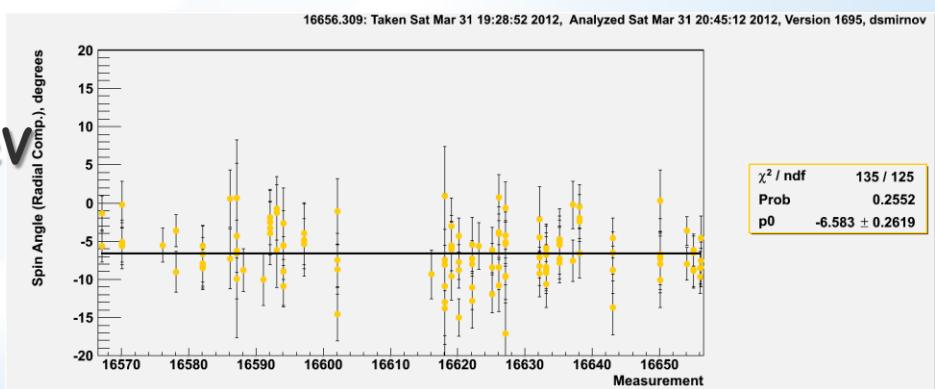
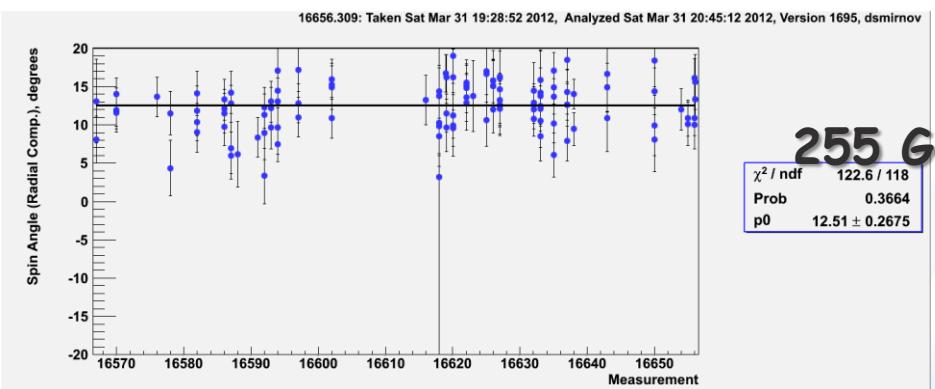
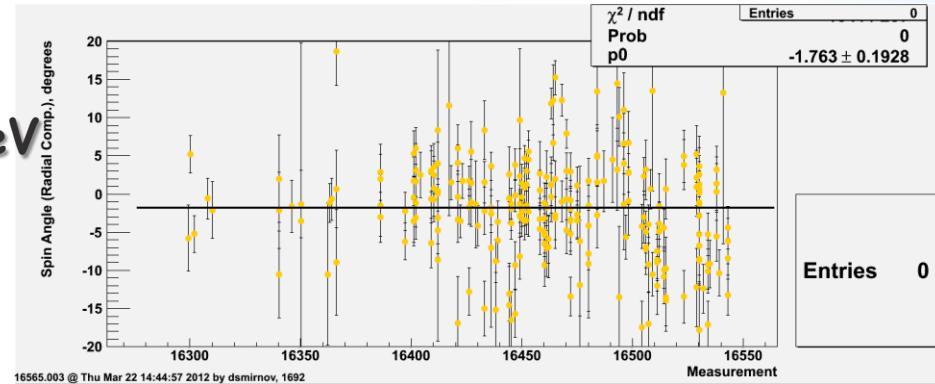
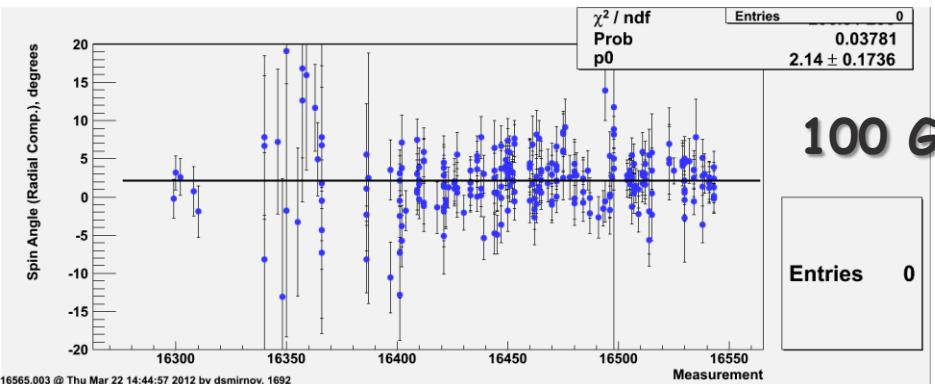
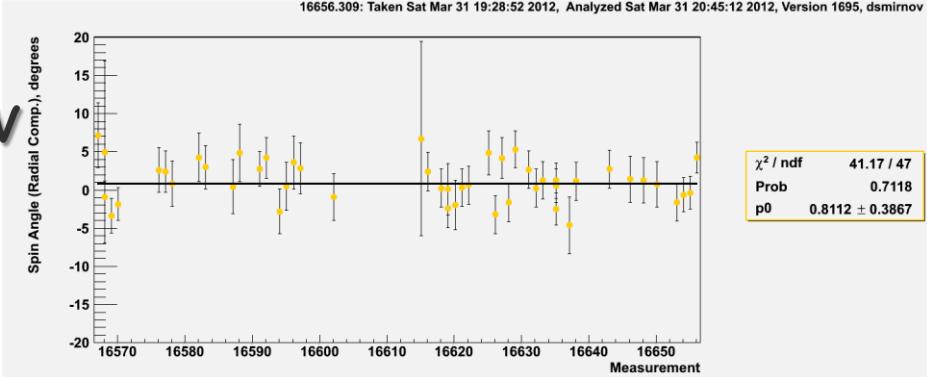
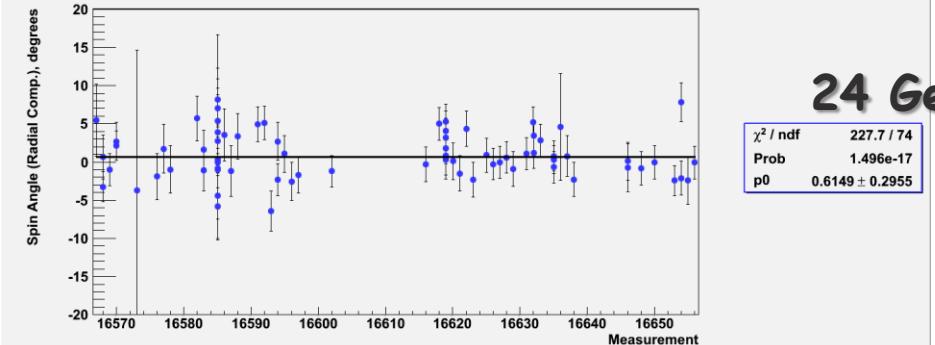
Showed are the polarisation measurements before and after the rotator ramp at 255 GeV

Yellow Beam



RADIAL SPIN ANGLE MEASURED BY PC

16656.309: Taken Sat Mar 31 19:28:52 2012, Analyzed Sat Mar 31 20:45:12 2012, Version 1695, dsmirnov



- ❑ Basically no targets left in blue and yellow
 - If you want these info as presented we need to install new targets in both beams
 - Impact on APEX program